

COD T.S. 8, 4.45Z
REV. 3-66

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Centers for Disease Control and Prevention

DD FORM 1
JAN 67

DERATTING CERTIFICATE (*) - CERTIFICAT DE DERATISATION (*)
DERATTING EXEMPTION CERTIFICATE (*) - CERTIFICAT D'EXEMPTION DE LA DERATISATION (*)

Issued in accordance with Article 53 of the International Health Regulations
Delivré conformément à l'article 53 du Règlement Sanitaire International (1969)
(Not to be taken away by Port Authorities.)—(Ce certificat ne doit pas être retiré par les autorités portuaires.)

PORT OF NNSHYD, PORTSMOUTH VIRGINIA U.S.A. Date 07 OCT 97
PORT DE _____ EXP Date 07 APR 98

THIS CERTIFICATE records the inspections and ~~deratation~~ exemption { (a) at this port and on the above date }
LE PRESENT CERTIFICAT atteste l'inspection et la dératisation l'exemption { (a) en ce port et à la date ci-dessus }

of the ship USS KITTYWAKE ARS 13 { (a) }
du navire _____

of 1450 net tonnage for a sea-going vessel
de tonnage net dans le cas d'un navire de haute mer { (a) (f) }
tonnage for an inland navigation vessel
tonnage dans le cas d'un navire de navigation intérieure

At the time of inspection { (a) } the holds were laden with NA tons of NA cargo
Au moment de l'inspection la dératisation { (a) } les cales étaient chargées de tonnes de cargaison

COMPARTMENTS(b)	RAT INDICATIONS TRACES DE RATS (c)	RAT NARBORAGE REFUGES A RATS		DERATTING — DERATISATION						COMPARTIMENTS(b)
		discovered trouvés (d)	treated supprimés	by fumigation — par fumigation Fumigant — Gaz utilisé Hours exposure — Exposition (heures)			by catching, trapping, or poisoning par capture ou poison			
				Space (cubic feet) Espaces (mètres cubes)	Quantity used Quantités employées (e)	Rats found dead Rats trouvés morts	Traps set or poisons put out Pièges ou poisons mis	Rats caught or killed Rats pris ou tués		
Holds 1.	U.S.								Cales 1.	
— 2.									— 2.	
— 3.									— 3.	
— 4.	NAVAL								— 4.	
— 5.									— 5.	
— 6.									— 6.	
— 7.									— 7.	
	VESSEL									
Shelter deck space.									Entrepont	
Bunker space.									Soute à charbon	
Engine room and shaft alley			WITHOUT						Chaudières, tunnel de l'arbre	
Forepeak and storeroom									Peak avant et magasin	
Afterpeak and storeroom									Peak arrière et magasin	
Lifboats				EVIDENCE					Canots de sauvetage	
									Chambre des cartes, T. S. F.	
Charts and wireless rooms									Cuisines	
Galley						OF			Cambuses	
Pantry									Soute à vivres	
Provision storerooms									Postes (équipage)	
Quarters (crew)						RODENT			Chambres (officiers)	
Quarters (officers)									Cabines (passagers)	
Quarters (cabin passengers)									Postes (émigrants)	
Quarters (steering)						INFESTATION			Salon	
Saloon									Salle à manger de l'équipage	
Messrooms									Soute à vivres réfrigérées	
Refrigerated storerooms								NOTED		
TOTAL									TOTAL	

(a) Strike out the unnecessary indications. — Retirer les mentions inutiles.
(b) In case any of the compartments enumerated do not exist on the ship or inland navigation vessel, this fact must be mentioned. — Lorsque un des compartiments énumérés n'existe pas sur le navire, on devra le mentionner explicitement.
(c) Old or recent evidence of presence, runs, or gnawing. — Traces anciennes ou récentes d'écurements, de passages ou de rongements.
(d) None, small, moderate, or large. — Néant, peu, passablement ou beaucoup.
(e) State the weight of sulphur or of cyanide salt or quantity of KCN acid used. Indiquer les poids de soufre ou de cyanure ou la proportion d'acide cyanhydrique.
(f) Specify whether applies to metric displacement or any other method of determining the tonnage.—Indiquer s'il s'agit de déplacement métrique ou, sinon, quel autre tonnage il s'agit.

RECOMMENDATIONS MADE. — OBSERVATIONS. — In the case of exemption, state here the measures taken for maintaining the ship free from rodents and the plague vector. Dans le cas d'exemption, indiquer ici les mesures prises pour que le navire soit maintenu dans des conditions telles qu'il n'y ait à bord ni rongeurs, ni vecteurs de la peste.

MAINTAIN VESSEL IN THIS RODENT FREE CONDITION
W.H.O. COMPLIANCE ARTICLE 12.7.5

F.V. JOHNSON HM1/USN
QUARANTINE INSPECTOR 2382

Seal, name, qualification, and signature of the inspector. — Cachet, nom, qualité et signature de l'inspecteur.

Enclosure (3)

*KITTIWAKE -
Liquid PCB's Aboard*

PCB Sampling Data by Major Arochlor Group (ug/g)
KITTIWAKE - Liquid PCBs Aboard

Description - CABLE	1221	1232	1242	1248	1254	1260	1262	1268	Total
Black, 5/8", Armorsield					5		8		8
Black, 5/8", Armorsield							5		10
Black, 3/4", Armorsield							10		10
Black, 1", Armorsield					7.5		7.5		15
Gray, 3/4", Armorsield					17				17
Black, 1/2", Armorsield							35		35
Gray, 3/4", Anaconda/Cont, 1978					43				43
Black, 1/2", Armorsield					48				48
Gray, 3/4", Plastoid, 1975					49				49
Black, 1/2", Armorsield					58				58
Black, 3/4", Armorsield					240				240
Black, 2", Armorsield					850				850
Black, 1-1/4", Armorsield					1500				1500
Black, 1-1/4", Armorsield						32400			32400
Black, 3/4", Armorsield							91000		91000
Gray, 1-1/4", Armorsield									<5 ND
Gray, 3/8", Colyer, 1982									<5 ND
Black, 1", Armorsield									<50 ND
Gray, 3/8", General, 1974									<50 ND
Black, 3/4", Armorsield									<50 ND
Vent Gasket	1221	1232	1242	1248	1254	1260	1262	1268	Total
Black rubber gasket								27	27
Black rubber gasket					18.5		18.5		37
Black rubber gasket					33.5		33.5		67
Red rubber gasket									<10 ND
Black rubber gasket									<25 ND
Red rubber gasket									<5 ND
Black rubber gasket									<5 ND
Insulation	1221	1232	1242	1248	1254	1260	1262	1268	Total
Yellow fiberglass					14		14		28
Brown fiberglass					37				37
Yellow fiberglass									<10 ND
Yellow fiberglass									<25 ND
Yellow fiberglass									<5 ND
Yellow fiberglass									<5 ND
Rubber Applications	1221	1232	1242	1248	1254	1260	1262	1268	Total
Black electrical channel rubber					108				108
Black rubber shock mount					113				113
Black rubber pipe hanger									<10 ND
Black electrical channel rubber									<10 ND
Black rubber pipe hanger									<20 ND
Tape/Adhesives	1221	1232	1242	1248	1254	1260	1262	1268	Total
Black double backed tape 1/2"									<40 ND
White double backed tape 1"									<5 ND
Black double backed tape 2"									<5 ND
White double backed tape 1/2"									<5 ND
Oils/Greases	1221	1232	1242	1248	1254	1260	1262	1268	Total
Grease, topping winch									<1 ND
Hydraulic, steering gear									<10 ND
Grease, rudder post									<10 ND
Paint	1221	1232	1242	1248	1254	1260	1262	1268	Total
#2 Boiler front									<20 ND
#1 Boiler front									<5 ND
#1 Decompression tank piping									<50 ND

PCB Survey



GLOBAL ASSOCIATES

P.O. Box 520 • Portsmouth, VA 23705 • Telephone (804) 396-5026

An OWL Company

GAISMF-95-0090
EMD/ojm
24 October 1994

CONTRACTING OFFICERS REPRESENTATIVE
INACTIVE SHIP MAINTENANCE FACILITY (NNSY)
PORTSMOUTH, VIRGINIA 23709-5000

Subj: POLYCHLORINATED BIPHENYL (PCB) SURVEY ON BOARD THE
KITTIWAKE (ASR-13)

Ref: (a) SC NO. B119-95; TDL NO. T001; Amendment NO. 000 (1)
(b) NAVSEADETPORTSVAINST P5090.1
(c) NAVSEADETPORTSVA Ltr 5090 07A61B:SRT:dpn Ser of
02 Apr 90

Encl: (1) PCB Survey Form
(2) Shipboard PCB Inventory

Per reference (a) and in accordance with reference (b), a PCB
Survey was conducted on board the KITTIWAKE (ASR-13)
on 20 October 1994, using reference (c) as a guide.

Enclosures (1) and (2) provide specific survey information.


C. K. HILL
PROJECT MANAGER

Enclosure (6)

PCB SURVEY FORM

VESSEL NAME:	<u>KITTIWAKE</u>
VESSEL HULL NUMBER:	<u>ASR-13</u>
DATE OF SURVEY:	<u>10-20-94</u>
NUMBER PCB SIGNS:	<u>13</u>
VESSEL STATUS:	<u>"C"</u>
CUSTODIAN:	<u>NISMF PORTSMOUTH VA</u>
BERTHING LOCATION:	<u>ST JULIENS CREEK</u>
PCB SURVEY (M/H):	<u>7</u>
LABOR COST:	<u>148.47</u>
TRAVEL COST:	<u>0</u>
MATERIAL COST:	<u>0</u>
TOTAL COST:	<u>148.47</u>

PCB TEST REPORT

FOR OFFICIAL USE ONLY
REPORTS MAY BE DUPLICATED,
BUT ONLY IN THEIR ENTIRETY.

PAGE 1 OF 3
REPORT NUMBER

97NN02674

AUG. 18 1997

LABORATORY DIVISION
NORFOLK NAVAL SHIPYARD
PORTSMOUTH, VA. 23709-5000

Customer's Ref. No.: EX-KITTIWAKE ASR-13
Submitted by: GLEN CLARK
Shop/Code : PMS 33501
Phone : 703-602-5670

Program Code : TSCA
Job Order Number: 4778913058
Sample Received: 970609
Sample Source: WISMF PORTSMOUTH, VA

ENVIRONMENTAL PCB TEST REPORT:		DESCRIPTION: PCB: SOLIDS / WIPES / OILS			
SAMPLE	SAMPLE LOCATION / ID.	TEST	RESULT	UNITS	AROCLOR TYPE (#)
001	A-0201-1C, 1"BLKCB, ARMRSOLD, NO DATE	PCBSOLID	< 50	ug/g	NO
002	A-0201-1C, 1/2"BLKCB, ARMRSOLD, NO DATE	PCBSOLID	48	ug/g	1254
003	01-49-1, 3/4"GRYCB, ARMRSOLD, NO DATE	PCBSOLID	17	ug/g	1254
004	01-49-1, 3/4"GRYCB, ANACONDA/CONT, 1978	PCBSOLID	43	ug/g	1254
005	01-46-2, 1 1/4"BLKCB, ARMRSOLD, NO DATE	PCBSOLID	1500	ug/g	1254
006	1-44-1, 3/4"GRYCB, PLASTOID, 1975	PCBSOLID	49	ug/g	1254
007	STRM203, 1/2"BLKCB, ARMRSOLD, NO DATE	PCBSOLID	58	ug/g	1254
008	A202LPWY, 3/4"BLKCB, ARMRSOLD, NO DATE	PCBSOLID	240	ug/g	1254
009	A202LPWY, 5/8"BLKCB, ARMRSOLD, NO DATE	PCBSOLID	10	ug/g	1254, 1262
010	A202LPWY, 1"BLKCB, ARMRSOLD, NO DATE	PCBSOLID	15	ug/g	1254, 1262
011	A202LPWY, TOOL CHECK	PCBSW	< 10	ug/100 cm2	NO
012	2-26-2, 1 1/4"GRYCB, ARMRSOLD, NO DATE	PCBSOLID	< 5	ug/g	NO
013	A-304-2-A, 3/8"GRYCB, GENERAL, 1974	PCBSOLID	< 50	ug/g	NO
014	A-304-TPWY, 3/4"BLKCB, ARMRSOLD, NO DATE	PCBSOLID	< 50	ug/g	NO
015	B203EENGRM, 2"BLKCB, ARMRSOLD, NO DATE	PCBSOLID	850	ug/g	1254
016	B203EENGRM, 3/4"BLKCB, ARMRSOLD, NO DATE	PCBSOLID	91000	ug/g	1262
017	B203EER, 1 1/4"BLKCB, ARMRSOLD, NO DATE	PCBSOLID	32400	ug/g	1260
018	B203EENGRM, 3/4"BLKCB, ARMRSOLD, NO DATE	PCBSOLID	10	ug/g	1262
019	B204EENGRM, 3/8"GRYCB, COLLYER, 1982	PCBSOLID	< 5	ug/g	NO
020	B204EFWMP, 1/2"BLKCB, ARMRSOLD, NO DATE	PCBSOLID	35	ug/g	1262

Remarks:

(#) AROCLOR REPORTED WAS THE MAJOR PCB GROUP(S) DETECTED AND DOES NOT CONSTITUTE ALL COMMERCIAL GRADES.
NO = NONE DETECTED. CODE 134.12 PROCEDURE#: 134.12-96-254

** Reviewer (signature) Spencer A. Ward Date: 8/19/97 Released (signature) Marlin A. McCracken Date: 8/19/97 Code : 134.12
Phone 6-3029

** The person designated to sign for an action verifies, based on personal observation, certified records, or direct report from watchstanders, and certifies by his signature that the action has been performed in accordance with the specified requirements. Note: Report relates only to ITEMS tested.

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REPORT NUMBER
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AUG. 18 1997

LABORATORY DIVISION
NORFOLK NAVAL SHIPYARD
PORTSMOUTH, VA. 23709-5000

Customer's Ref. No.: EX-KITTIWAKE ASR-13
Submitted by: GLEN CLARK
Shop/Code : PMS 33501
Phone : 703-602-5670

Program Code : TSCA
Job Order Number: 4778913058
Sample Received: 970609
Sample Source: NISNF PORTSMOUTH, VA.

ENVIRONMENTAL PCB TEST REPORT:

DESCRIPTION: PCB: SOLIDS / WIPES / OILS

SAMPLE	SAMPLE LOCATION / ID.	TEST	RESULT	UNITS	AROCLOR TYPE (#)
021	2-111-2PWY, 5/8"BLKCSL, ARMSTRHD, NO DATE	PCBSOLID	8	ug/g	1262
022	2-111-2PWY, TOOL CHECK	PCBSW	< 10	ug/100 cm2	NO
023	1-38-3PWY, BULKHEAD INSULATION	PCBSOLID	37	ug/g	1254
024	2-44-1QNLFFF, BULKHEAD INSULATION	PCBSOLID	< 5	ug/g	NO
025	CREWMESSEK, BULKHEAD INSULATION	PCBSOLID	< 10	ug/g	NO
026	A-101-5-LND, BULKHEAD INSULATION	PCBSOLID	< 25	ug/g	NO
027	2-107-3STOR, BULKHEAD INSULATION	PCBSOLID	< 5	ug/g	NO
028	2-104-2LGRM, BULKHEAD INSULATION	PCBSOLID	28	ug/g	1254, 1262
029	A0101-SCRAD, BLK RBBR SHOCK MOUNT	PCBSOLID	113	ug/g	1254
030	A0101-6CSEC, BLK ELECTRICAL CHANNEL RBBR	PCBSOLID	108	ug/g	1254
031	A0101-6CSEC, FIELD BLANK	PCBSOLID	< 10	ug/g	NO
032	A-2EADIV, BLK RBBR PIPE HANGER	PCBSOLID	< 10	ug/g	NO
033	A-101-14E, BLK ELECTRICAL CHANNEL RBBR	PCBSOLID	< 10	ug/g	NO
034	A-101-14E, TOOL CHECK	PCBSW	< 10	ug/100 cm2	NO
035	B203EENGRM, BLK RBBR PIPE HANGER	PCBSOLID	< 20	ug/g	NO
036	B203EENGRM, ALUM.PT./#2 BOILER FRONT	PCBSOLID	< 20	ug/g	NO
037	B203EENGRM, ALUM.PT./#1 BOILER FRONT	PCBSOLID	< 5	ug/g	NO
038	A-101-15ET, ALUM.PT./#1 DECOMPRESSK PIPE	PCBSOLID	< 50	ug/g	NO
039	A-101-15ET, DOUBLE-BACKED TAPE	PCBSOLID	< 40	ug/g	NO
040	GALLEY, DOUBLE-BACKED TAPE	PCBSOLID	< 5	ug/g	NO

Remarks:

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NO = NONE DETECTED. CODE 134.12 PROCEDURE#: 134.12-96-254

** Reviewer (signature) *James M. Ward* Date: *8/19/97* Released (signature) *Mark A. McCue* Date: *8/19/97* Code: 134.12
Phone 6-3029
The person designated to sign for an action verifies, based on personal observation, certified records, or direct report from watchstanders, and certifies by his signature that the action has been performed in accordance with the specified requirements. Note: Report relates only to ITEMS tested.

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AUG. 18 1997

LABORATORY DIVISION
NORFOLK NAVAL SHIPYARD
PORTSMOUTH, VA. 23709-5000

Customer's Ref. No.: EX-KITTIWAKE ASR-13
Submitted by: GLEN CLARK
Shop/Code : PMS 33501
Phone : 703-602-5670

Program Code : TSCA
Job Order Number: 4778913058
Sample Received: 970609
Sample Source: NISMF PORTSMOUTH, VA

ENVIRONMENTAL PCB TEST REPORT:

DESCRIPTION: PCB: SOLIDS / WIPES / OILS

SAMPLE	SAMPLE LOCATION / ID.	TEST	RESULT	UNITS	AROCLOL TYPE (#)
041	CPOBERTH, DOUBLE-BACKED TAPE	PCBSOLID	< 5	ug/g	ND
042	4-203-2L, DOUBLE-BACKED TAPE	PCBSOLID	< 5	ug/g	ND
043	4-203-2-L, RED RBBR GASKET	PCBSOLID	< 10	ug/g	ND
044	A-203-2L, BLK RBBR GASKET	PCBSOLID	37	ug/g	1254, 1262
045	A-203-2L, TOOL CHECK	PCBSW	< 10	ug/100 cm2	ND
046	A-101-14E, RED RBBR GASKET	PCBSOLID	< 5	ug/g	ND
047	A-0101-3C, BLK RBBR GASKET	PCBSOLID	27	ug/g	1268
048	B203EENGWM, BLK RBBR GASKET	PCBSOLID	< 25	ug/g	ND
049	C204AFTSTG, BLK RBBR GASKET	PCBSOLID	67	ug/g	1254, 1262
050	1-59-2PORT, BLK RBBR GASKET	PCBSOLID	< 5	ug/g	ND
051	C204AFTSTG, OIL/HYDRAULIC STEERING OIL	PCBOIL	< 10	ug/g	ND
052	C204AFTSTG, GREASE/RUBBER POST	PCBOIL	< 10	ug/g	ND
053	TOPSDAFTSBD, GREASE/MAINBOOM TOPPING UNCH	PCBOIL	< 1	ug/g	ND

Remarks:

(#) AROCLOR REPORTED WAS THE MAJOR PCB GROUP(S) DETECTED AND DOES NOT CONSTITUTE ALL COMMERCIAL GRADES.

ND = NONE DETECTED. CODE 134.12 PROCEDURE#: 134.12-96-254

Reviewer (signature) *Spence N. Ward* Date: *8/19/97* Released (signature) *Mark A. McQuinn* Date: *8/19/97* Code: 134.12
Phone 6-3029

** The person designated to sign for an action verifies, based on personal observation, certified records, or direct report from watchstanders, and certifies by his signature that the action has been performed in accordance with the specified requirements. Note: Report relates only to ITEMS tested.

Distribution:

**ENVIRONMENTAL CHEMISTRY LABORATORY
ANALYSIS REQUEST FORM**

I. ADMINISTRATIVE INFORMATION
Priority 1 2 3 (Circle One) Request Completion Date: 30 DAYS AFTER REC. Lab Rpt # 97NW02674
Requestor: Shreen Thompson Codes: NJ52 Dates: _____ Phone/Fax: (757) 485-6381 Ref #: _____
Program Manager: GLEN CLARK PMS 335D1 Phone: (703) 602-5670 J.O.# 476K113046
Priority Approved by: _____ This is a RESAMPLE of reference #: _____ Program Codes: TSCA
Additional sample information and intended data uses: _____

II. ANALYSIS REQUEST

ORGANICS	RCRA	WET CHEMISTRY	IC	GRAPHITE AA	ICP METALS	OTHER
TOC	FLASH PT	pH	NITRATE N	ARSENIC		
TOX	CORROSIVITY	COND	NITRITE N	SILVER		
TX	1020	SP GRAY	CHLORIDE	LEAD		
ORGANIC		COO	FLUORIDE			
SCREEN	TCLP	TSS	PHOSPHATE	COLD VAPOR		
VOL ORG	METALS	TDS	SULFATE	MERCURY		
SEMI ORG	ORGANICS	ACIDITY				
ALCOHOL		ALKALINITY	METALS	ICP METALS	BACTERIOLOGY	
TPH	WET CHEMISTRY	HRAS	DIGESTION	ARSENIC	T COLI	
PCR	AMMONIA N	OIL/GREASE	HRSD	CADMIUM	F COLI	
SWIPE	PHOSPHATE	CHROME 6	NPOES	COPPER	F STREP	
SOLID	TOTAL	AGGRESSIVITY	CRANEY	IRON	RES CL	
OIL	PHOSPHOROUS		OTHER	LEAD	OTHER	
WATER	TOTAL			NICKEL		
	CYANIDE			SILVER		
	PHENOL			ZINC		

(CHECK METALS)

SPECIAL ANALYSIS AND INSTRUCTIONS: _____

III. FIELD INFORMATION
Sample Source/Ship: EX-KITTINAKE ASR-13
Location: ST. JULIENS CREEK, PORTSMOUTH VA
Grab ☒ Thief _____ Comp A _____ Other comp _____
PIN # (RCRA only) _____ pH _____ Temp _____ °C
Sample Description: PCBS IN SWIPES, SOLIDS, OILS

IV. CHAIN OF CUSTODY Collected by: R. BROWN
Date: 6-6-97 Time: 1439 Code: 202 Phone: 396-3350
Relinquished by: [Signature]
Received by: [Signature] Date: 6/9/97
Time: 1319 Code: 134.12 Phone: 396-3029
Relinquished by: _____
Received by: _____ Date: _____
Time: _____ Code: _____ Phone: _____
Relinquished by: _____
Received by: _____ Date: _____
Time: _____ Code: _____ Phone: _____

V. CODE 106.325 INFORMATION
Will this sample(s) be used to help evaluate a potentially hazardous personnel exposure which has already occurred? yes ☒ no ☐
Requestor/Supervisor Signature: [Signature] Date: 6-9-97

LAB REF # 97NN02674

PAGE: 1 OF 8

DATE: 6 JUN 97VESSEL: EX-KITTIWAKE

ELECTRICAL CABLING SAMPLING LOGIN SHEET (20 Samples required)				
Sample		LOCATION (Compartment Name/Number)	DESCRIPTION OF CABLE (Size, Color, Manufacturer, MIL-SPEC, etc)	Cable Year
No.	Time			
1	0829	Pilot House A-0201-1C	1" Black Armor Shielded	VNK
2	0832	Pilot House A-0201-1C	1/2" Black Armor Shielded	VNK
3	0837	RADIO Transmitter Rm 01-49-1	3/4" Grey Armor Shielded	VNK
4	0842	RADIO Transmitter Rm 01-49-1	3/4" Grey Anaconda Cont. TTRS-6 STD PVC	1978
5	0847	CAPTAIN'S STRM 01-46-2	1 1/4" Black Armor Shielded	VNK
6	0856	WARD Rm MESS 1-44-1	3/4" Grey Plastoid TISU 20 STD PVC	1975
7	0910	OFFICERS State Rm 203	1/2" Black Armor Shielded	VNK
8	0916	PWAY A202L	3/4" Black Armor Shielded	VNK
9	0919	PWAY A202L	5/8" Black Armor Shielded	VNK
10	0920	PWAY A202L	1" Black Armor Shielded	VNK

PAGE: 2 OF 8

LAB REPT # 97HNO2674DATE: 6 JUN 97VESSEL: EX-KITILWAKE

ELECTRICAL CABLING SAMPLING LOGIN SHEET (20 Samples required)				
Sample		LOCATION (Compartment Name/Number)	DESCRIPTION OF CABLE (Size, Color, Manufacturer, MIL-SPEC, etc)	Cable Year
No.	Time			
12	0927	CARGO STORE RM 2-26-2	1 1/4" Grey Armor Shielded	UNK
13	0947	Vegetables A-304-2-A REFECT	3/8" Grey General FSGU3 SPL PVC	1974
14	0950	Header Deck PWAY A-304-T	3/4" Black Armor Shielded	UNK
15	0954	ENGINE RM STBD WALL B203E	2" Black Armor Shielded	UNK
16	1000	ENGINE RM STBD WALL B203E	3/4" Black Armor Shielded	UNK
17	1005	ENGINE RM STBD WALL B203-E	1 1/4" Black Armor Shielded	UNK
18	1007	ENGINE RM FWD Bulkhead B203 E	3/4" Black Armor Shielded	UNK
19	1014	#2 Emergency Gen ENGINE RM B204 E	3/8" Grey Collyer TTSU3 SPL PVC	1982
20	1017	#1 Fresh Water pump controller B204 E	3/8" Black Armor Shielded	UNK
21	1023	PWAY 2-11-2	5/8" Black Armor Shielded	UNK

LAB REPT # 97NN02674

PAGE: 3 OF 8

VESSEL: EX-KITIWAKEDATE: 6 JUN 97

BULKHEAD INSULATION SAMPLING LOGIN SHEET (6 Samples Required)			
Sample		Location (Compartment Name/Number)	DESCRIPTION OF INSULATION (Type, Color, Etc.)
No.	TIME		
23	1032	1-38-3 PWAY	BROWN Fiber Glass
24	1035	2-44-1 GENERAL OFF	Yellow Fiber Glass
25	1037	CREW'S MESS DECK	Yellow Fiber Glass
26	1039	Hem-D A-101-5-L	Yellow Fiber Glass
27	1042	OXY-HEL-STW 2-107-3	Yellow Fiber Glass
28	1045	ENGR LOG RM 2-104-2	Yellow Fiber Glass

LAB REPT # 97NH02674

PAGE: 4 OF 8

VESSEL: EX-KITILWAKEDATE: 6 JUN 97

RUBBER APPLICATION SAMPLING LOGIN SHEET (5 Samples Required)			
Sample		LOCATION (Compartment Name/Number)	DESCRIPTION (SEE NOTE BELOW)
No.	Time		
29	1235	Radio Central A0101-5C	Shock MOUNT Rubber
30	1238	Security TTY Rm A0101-6C	ELECTRICAL Channel rubber
32	1250	A-2E A DIV	Pipe Hanger
33	1301	Ship Fitter Shop A-101-14E	ELECTRICAL Channel rubber
35	1308	ENGINE Rm B 203E	P. Pehanger

Rubber applications include but are not limited to:

Isolation shock mounts for electronic equipment

Pipe hangar lines

Electrical channel rubber

Foundation mounts

Pipe Block hangers

NOT VENTILATION GASKETS

LAB REPT # 97NN02674

PAGE: 5 OF 8

VESSEL: EX-KITLINAGEDATE: 6 JUN 97

ALUMINIZED PAINT SAMPLING LOGIN SHEET (3 Samples Required)			
Sample		LOCATION (Compartment Name/Number)	DESCRIPTION OF EQUIPMENT WHERE RETRIEVED
No.	Time		
36	1311	ENG. RM B 203 E	#2 Boiler Front
37	1316	ENG. RM B 203 E	#1 Boiler Front
38	1324	Recompression TANK RM A-101-15ET	#1 Decompression TANK Apeing

DOUBLE-BACKED ADHESIVE TAPE SAMPLING LOGIN SHEET (4 Samples Required)			
Sample		LOCATION (Compartment Name/Number)	DESCRIPTION OF EQUIPMENT (Where Retrieved and color)
No.	Time		
39	1327	Recompression RM A-101-15ET	1/2" Black Double Back Tape CCOL
40	1330	Galley	1" White Double Back Tape CCOL
41	1334	PWAY CPO Berthing	2" Black Double Back Tape CCOL
42	1338	4-203-2L CPO Berthing	1/2" White Double Back Tape CCOL

LAB REPT # 97NW02674

PAGE: 6 OF 8

VESSEL: EX-KITIWAKEDATE: 6 JUN 97

VENTILATION GASKET SAMPLING LOGIN SHEET 10 Samples Required			
Sample		LOCATION (Compartment Name/Number)	DESCRIPTION OF VENTILATION GASKET (Rubber/Wool Felt, etc)
No.	Time		
43	1341	4-203-2L CPD Berthing	Red Rubber
44	1346	PWA4 A-203-2L	Black Rubber
46	1353	Ship Fitter shop A-101-14E	RED Rubber
47	1356	RADIO ROOM A-0101-3C	Black Rubber
48	1402	ENG. RM B203E	Black Rubber
49	1416	C204 AFT steering	Black Rubber
50	1420	PORT SIDE 1-59-2	Black Rubber

LAB REPT # 97HND2674

PAGE: 8 OF 8

VESSEL: EX-KITT WAKEDATE: 6 JUN 97

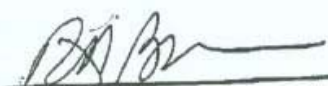
FIELD BLANKS SAMPLING LOGIN SHEET (2 Samples required; One after every 30 Samples)			
SAMPLE		LOCATION (COMPT NAME AND NUMBER)	DESCRIPTION (TYPE, COLOR, APPLICATION, ETC)
NO	TIME		
FB-1 31	1240	Security TTY RM A-DIA-6C	
FB-1			

TOOL BLANKS SAMPLING LOGIN SHEET (6 Samples required; One after every 10 Samples)			
SAMPLE		LOCATION (COMPT NAME AND NUMBER)	DESCRIPTION (TYPE, COLOR, APPLICATION, ETC)
NO	TIME		
TB-1 11	0923	PWAY A202L	
TB-2 22	1025	PWAY 2-11-2	
TB-3 34	1304	Ship Fitter Shop A-101-14E	
TB-4 45	1348	PWAY A203-2L	
TB-5			

91HND2674

Date: 6 JUNE 97ADDENDUM TO POLYCHLORINATED BIPHENYL SAMPLING AND ANALYSIS REPORT
of _____Subj: PCE SAMPLING AND ANALYSIS SURVEY FOR EX-KITTIWAKERef: (a) COMNAVSEASYS COM WASHINGTON DC Ltr 4770 Ser 00T/248 of
21 Sep 95 (Subj: NAVSEA PCE Advisory 95-1)1. The following statement is provided regarding the number of
samples taken as required by reference (a):

<u>20</u>	SAMPLES OF ELECTRICAL CABLE WERE TAKEN.
<u>7</u>	SAMPLES OF VENTILATION DUCT GASKETS WERE TAKEN.
<u>6</u>	SAMPLES OF BULKHEAD INSULATION WERE TAKEN.
<u>3</u>	SAMPLES OF OILS AND GREASES WERE TAKEN.
<u>4</u>	SAMPLES OF DOUBLE-BACKED ADHESIVE TAPE WERE TAKEN.
<u>3</u>	SAMPLES OF ALUMINIZED PAINT WERE TAKEN.
<u>5</u>	SAMPLES OF RUBBER APPLICATIONS (I.E., SHOCK MOUNTS, HATCH GASKETS, PIPE HANGARS, ETC.) WERE TAKEN.
<u>5</u>	QUALITY CONTROL SAMPLES (FIELD AND TOOL BLANKS) WERE TAKEN.

2. A representative sample was taken of each of the applications
identified above. No other applications meeting the criteria of
reference (a) were available for sampling on board._____
SAMPLER(S)

SAMPLER(S)

Office: (757) 622-2393

Fax: (757) 622-8193

(71)

5AMARI51/115OMARI52

National Cargo Bureau, Inc.Office of the Surveyor
NORFOLK, VA**RECEIVED**

MAY 02 2001

James River Reserve Fleet ←

Draft Survey Report

USS "KITTIWAKE," ASR - 13 (USA)

115DS10039

18 April, 2001

*LIGHTSHIP
SURVEY*Principal:

Department of Transportation

Maritime Administration

MAR - 612 Room 2112

400 7th Street SW

Washington, DC 20590

Order/ Contract No.

DTMA2P01166

This is to certify that the undersigned surveyor of the National Cargo Bureau, Inc. did, at the request of Department of Transportation attend the subject vessel at anchorage in the James River Deactivated Fleet location on 18 April, 2001 for the purpose of ascertaining by measurement calculation the light ship weight of the vessel and has the following to report:

Lightship Calculation: 1,642.84 LT

National Cargo Bureau, Inc. I.D. No. 13-5615188

Attending:

P.W. Phillips

Surveyor for National Cargo Bureau, Inc.

* Note: Soundings of liquids were provided by the James River Reserve Fleet and were not witnessed by the attending surveyor

THIS CERTIFICATE IS NOT A FORM OF INSURANCE, OR GUARANTEE, AND IS ISSUED ON THE FOLLOWING TERMS AND CONDITIONS: This Certificate and performance of services by National Cargo Bureau ("NCB") shall in no way be deemed to be a representation, statement, or warranty of seaworthiness, quality or fitness for a particular use or service, of any vessel, container, cargo, structure, item of material, or equipment. NCB shall not be liable for, and the party to whom this Certificate is issued agrees to indemnify and hold NCB harmless from and against any and all claims, demands, actions for damages, including legal fees, to persons and/or property which may be brought against NCB incidental to, arising out of, or in connection with the services performed hereunder, except for those claims caused solely by the negligence of NCB. NCB shall be discharged from all liability for negligent performance or non-performance of any services in connection with issuance of this Certificate, unless the same is discovered prior to and is claimed in writing made to NCB within 180 days and litigation is commenced within one year after performance of survey services. THE COMBINED LIABILITY OF NCB, ITS OFFICERS, EMPLOYEES, AGENTS OR SUBCONTRACTORS FOR ANY LOSS, CLAIM, OR DAMAGE ARISING FROM NEGLIGENT PERFORMANCE OR NON-PERFORMANCE OF ANY SERVICES IN CONNECTION WITH THE ISSUANCE OF THIS CERTIFICATE, OR FROM BREACH OF ANY IMPLIED OR EXPRESS WARRANTY OF WORKMANLIKE PERFORMANCE, OR ANY OTHER REASON, SHALL NOT EXCEED IN THE AGGREGATE \$10,000. IN NO EVENT SHALL NCB BE LIABLE FOR ANY CONSEQUENTIAL DAMAGES, INCLUDING, BUT WITHOUT LIMITATION, DELAY, DETENTION, LOSS OF USE, OR CUSTOMARY PORT CHARGES TO THE PARTY TO WHOM THIS CERTIFICATE IS ISSUED OR TO ANY OTHER PERSON, CORPORATION OR BUSINESS ENTITY FOR WHOSE BENEFIT THIS CERTIFICATE MAY BE ISSUED.

115DS10039		National Cargo Bureau, Inc. MV " Kittiwake "	
<u>Diesel Oil</u>			
Tank	T.D Ft-In	Sounding Ft-In	LT
WT B-902-F	10 - 10	0 - 00	0.0
WT B-901-F	9 - 60	0 - 00	0.0
DB A-4-F	16 - 11	0 - 00	0.1
DB A-3-F	16 - 10	0 - 00	0.0
SR B-201-F	5 - 10	0 - 00	0.0
SR B-202-F	5 - 10	0 - 00	0.0
ST A-902-F	10 - 10	0 - 00	0.0
ST A-903-F	10 - 30	0 - 01	0.1
DB B-903-F	9 - 11	0 - 00	0.0
DB B-904-F	10 - 10	0 - 00	0.0
DB B-905-F	9 - 60	0 - 00	0.0
DB B-906-F	9 - 60	0 - 00	0.0
DB B-907-F	10 - 00	0 - 00	0.0
DB B-908-F	10 - 20	0 - 00	0.0
DB C-405-F	17 - 80	0 - 00	0.0
DB C -406-F	18 - 30	0 - 00	0.0
DB C-407-F	19 - 70	0 - 00	0.0
DB C-408-F	18 - 30	0 - 00	0.0
DB C-409-F	20 - 10	0 - 00	0.0
DB C-410-F	26 - 90	0 - 00	0.0
DB C-411-F	19 - 70	0 - 00	0.0
DB C-412-F	26 - 10	0 - 00	0.0
Boiler	Plate Off	Sighted Dry	0.0
Aux Gen	4 - 20	0 - 00	0.1
DB C-901-F	17 - 10	0 - 00	0.0
Totals:			0.3 LT
<u>Lube Oil</u>			
Tank	T.D. Ft-In	Sounding Ft-In	LT
HT C-403-L	11 - 20	0 - 00	0.0
HT C-404-L	11 - 10	0 - 00	0.0
ST Settling	Plate Off	Sighted Dry	0.0
CS B-406-L	3 - 70	0 - 05	0.3
Total:			0.3 LT

115DS10039

National Cargo Bureau, Inc.
MV " Kittiwake "Fresh Water

Tank	T.D. Ft-In	Sounding Ft-In	LT
HT A-406-W	-----	Petcocks	0.0
HT A-407-W	-----	Petcocks	0.0
PT A-1-W	29 - 11	0 - 00	0.0
PT C-1-W	16 - 10	3 - 10	4.2
HT EV coll 1	Plate Off	Sighted Dry	0.0
HT EV coll 2	Plate Off	Sighted Dry	0.0
HT Boiler	Plate Off	Sighted Dry	0.0
HT Comp	Plate Off	Sighted Dry	0.0
Total:			4.2 LT

Misc.

Tank	T.D. Ft-In	Sounding Ft-In	LT
CD Void	13 - 00	0 - 00	0.0
CS Chain lkr	Plate Off	Sighted Dry	0.0
CS C-902½-F	17 - 40	0 - 00	0.0
DB CV-902-F	17 - 10	0 - 00	0.0
Total:			0.0 LT

Summary

	LT
Diesel Oil	0.3
Lube Oil	0.3
Fresh Water	4.2
Misc Tanks	0.0

Total Consumables:	4.8 LT
---------------------------	---------------

115DS10039

National Cargo Bureau, Inc.
MV " Kittiwake "

4


Draft Statement

Start: 18 April, 2001

	Ft - In
Mean Forward Draft	11 - 00
Stern Correction	-----
Corrected Forward Draft	11 - 00
Draft After Mean	12 - 04
Stern Correction	-----
Draft Aft Corrected	12 - 04
Mean Fore and Aft	11 - 08
Draft Midships Port	11 - 10
Draft Midships Stbd	11 - 10
Draft Midships Mean	11 - 10
Midships Correction	-----
Draft Midships Corrected	11 - 10
Mean of Means	11 - 09
Draft Corrected for Hog or Sag	11 - 09.5
Displacement LT @ 1.025	1678.00 LT
Trim: Start: 1' - 04" (by stern)	
Correction for Trim	(+) 2.63 LT
Corrected Displacement	1680.63 LT
Observed Density Start: 1.000	
Correction for Density	(-) 40.99 LT
Displacement Corrected For Density	1639.64 LT
Total Consumable Stores and Ballast	(-) 4.80 LT
Corrected Displacement	1634.84 LT
Anchors & Chains	(+) 8.00 LT
Corrected Displacement Light	1642.84 LT

This report is issued without prejudice and is for the benefit of whom it may concern.

National Cargo Bureau, Inc.

By: 
G. J. Davies - Senior Surveyor
For: P.W. Phillips



DEPARTMENT OF THE NAVY

USS KITTIWAKE (ASR-13)

FPO AE 09576-3208

FREON SURVEY

5000
SER ASR13/
22 SEP 94

From: Commanding Officer, USS KITTIWAKE (ASR-13)
To: Director, Naval Sea Systems Command Detachment, Naval
Inactive Ship Maintenance Facility, Portsmouth, VA

Subj: REMOVAL OF REFRIGERANTS

Ref: (a) USS KITTIWAKE (ASR-13) Standard Inactivation Plan

1. In accordance with reference (a), all refrigerants were removed from the ship on 23 August 1994. Enclosure (1) is provided for verification.


S. N. ZEHNER

Enclosure (7)



DEPARTMENT OF THE NAVY
SHORE INTERMEDIATE MAINTENANCE ACTIVITY
9170 SECOND ST STE 100
NORFOLK, VA 23511-2392

4770
Ser 03/R0577
23 August 1994

From: Commanding Officer, Shore Intermediate Maintenance
Activity, Norfolk
To: Commanding Officer, USS KITTYWAKE (ASR 13)
Subj: REFRIGERANT RECOVERY FROM USS KITTYWAKE (ASR 13)

Ref: (a) NAVSEA ltr 4770 N31: SRB: scb Ser: 111 of 16 FEB 94
(b) NAVSEA ltr 4770 OPR: PMS335D13 Ser: PMS335/2431 of
29 Jul 93

1. Per references (a) and (b), Shore Intermediate Maintenance Activity (SIMA), Norfolk AC&R Shop (56B) recovered the following: 71 lbs. of R-12 from NR 1,2 ships refrigeration plants IAW JCN 04712EA011948.

2. Shop personnel ensured that all plants were drawn into a vacuum to ensure all refrigerant was recovered from each refrigeration plant and a nitrogen blanket was added.


D. L. MISTLER
By direction

**USS KITTIWAKE (ASR-13)
FREON PACKAGE UNITS**

<u>TYPE</u>	<u>LOCATION</u>	<u>QUANTITY</u>
SALAD BAR	A-101-5L MESS DECK	1
REEFER	A-101-5L MESS DECK	1
REEFER	A-203-1A SICK BAY	1
REEFER	A-203-2L CPO BERTHING	1
DRINKING FOUNTAIN	A-203-2L PASSAGEWAY	1
PACKAGE A/C UNIT	A-202-L 1ST LST S/R	1
PACKAGE A/C UNIT	A-306-A 3M OFFICE	1
DRINKING FOUNTAIN	A-204-AE AIR STOWAGE RM	1
DRINKING FOUNTAIN	B-203-E AUX MACH RM	1
DRINKING FOUNTAIN	B-204-E MOTOR RM	1
PACKAGE A/C UNIT	C-201-L BERTHING	1
DRINKING FOUNTAIN	C-202-L BERTHING	1
PACKAGE A/C UNIT	C-203-L LOUNGE	1
REEFER	C-203-T PASSAGEWAY	1

ELECTRICAL CABLING
SAMPLINGLAB REPT # 9TNN02674

PAGE: 1 OF 8

VESSEL: EX-KITTIWAKEDATE: 6 JUN 97

ELECTRICAL CABLING SAMPLING LOGIN SHEET (20 Samples required)				
Sample		LOCATION (Compartment Name/Number)	DESCRIPTION OF CABLE (Size, Color, Manufacturer, MIL-SPEC, etc)	Cable Year
No.	Time			
1	0829	Pilot House A-0201-1C	1" Black Armor Shielded	VNK
2	0832	Pilot House A-0201-1C	1/2" Black Armor Shielded	VNK
3	0837	RADIO Transmitter Rm 01-49-1	3/4" Grey Armor Shielded	VNK
4	0842	RADIO Transmitter Rm 01-49-1	3/4" Grey Anaconda Cont. TTR5-6 STD PVC	1978
5	0847	CAPTAIN'S STRM 01-46-2	1 1/4" Black Armor Shielded	VNK
6	0856	WARD RM MESS 1-44-1	3/4" Grey Plastoid TTSU 20 STD PVC	1975
7	0910	OFFICERS State Rm 203	1/2" Black Armor Shielded	VNK
8	0916	PWAY A202L	3/4" Black Armor Shielded	VNK
9	0919	PWAY A202L	5/8" Black Armor Shielded	VNK
10	0920	PWAY A202L	1" Black Armor Shielded	VNK

PAGE: 2 OF 8

LAB REPT # 97HNO2674DATE: 6 JUN 97VESSEL: EX-KITILWAKEELECTRICAL CABLING SAMPLING LOGIN SHEET
(20 Samples required)

Sample		LOCATION (Compartment Name/Number)	DESCRIPTION OF CABLE (Size, Color, Manufacturer, MIL-SPEC, etc)	Cable Year
No.	Time			
12	0927	CARGO STORE RM 2-26-2	1 1/4" Grey Armor Shielded	UNK
13	0947	Vegetables A-304-2-A REFRIG	3/8" Grey General FSG443 SPL PVC	1974
14	0950	Refrigerator Deck PWAY A-304-T	3/4" Black Armor Shielded	UNK
15	0954	ENGINE RM STBD WALL B203E	2" Black Armor Shielded	UNK
16	1000	ENGINE RM STBD WALL B203E	3/4" Black Armor Shielded	UNK
17	1005	ENGINE RM STBD WALL B203-E	1 1/4" Black Armor Shielded	UNK
18	1007	ENGINE RM PORT Bulkhead B203E	3/4" Black Armor Shielded	UNK
19	1014	#2 Emergency Gen ENGINE RM B204 E	3/8" Grey Collyer TTS43 SPL PVC	1982
20	1017	#1 Fresh Water pump controller B204 E	3/8" Black Armor Shielded	UNK
21	1023	PWAY 2-111-2	5/8 Black Armor Shielded	UNK



GLOBAL ASSOCIATES

P.O. Box 520 • Portsmouth, VA 23705 • Telephone (804) 396-5026

An OWL Company

RADIOLOGICAL DECONTAMINANT SURVEY
GAISMF-95-0089
EMD/ojm
24 October 1994

CONTRACTING OFFICERS REPRESENTATIVE
INACTIVE SHIP MAINTENANCE FACILITY (NNSY)
PORTSMOUTH, VIRGINIA 23709-5000

Subj: RADIOLOGICAL DECONTAMINATION SURVEY ON BOARD THE USS
KITTIWAKE (ASR-13)

Ref: (a) SC NO. B119-95; TDL NO. T001; Amendment NO. 000 (1)
(b) NAVSEADETPORTSVAINST P5090.1

Encl: (1) Radiological Decontamination Action Form

Per reference (a) and in accordance with reference (b), a
Radiological Decontamination Survey was conducted on board the
USS KITTIWAKE (ASR-13) on 21 October 1994.

Enclosure (1) provides specific results of this survey.

C. R. Hill
C. R. HILL
PROJECT MANAGER

Enclosure (2)

DATE: 18 October 1994 RADIOLOGICAL DECONTAMINATION ACTION PAGE 1 OF 1

HULL NO: ASR-13 MANHOURS: 2 HOURS RADIACS: IM 253/PD
NAME: KITTIWAKE LABOR COST: \$ AN/PDR 27, E-140
VESSEL STATUS: CATEGORY C TRAVEL COST: \$ 0 LUDLUM 2000, & MOD 2 & 3
CUSTODIAN: NISMF PORTSMOUTH VA MATERIAL COST: \$ 0
TOTAL COST: \$

R.A. Brown
R.A. BROWN

RAD AUTHORIZATION SIGNATURE

[illegible]

ASBESTOS SURVEY
(41 Non Friable
Samples Found)



GLOBAL ASSOCIATES

P.O. Box 520 • Portsmouth, VA 23705 • Telephone (804) 396-5026



An OWL Company

GAISMF-97-1285

CKH/khf

28 August, 1997

*Contracting Officers Representative
Inactive Ship Maintenance Facility (NNSY)
Portsmouth, Virginia 23709-5000*

*Subj: POST-STRIPPING ASBESTOS SURVEY ONBOARD THE EX-KITTIWAKE
(ASR-13)*

*Ref: (a) SC NO. B119-97 TDL NO. T0002; Amendment NO. 000
(b) NAVSEADETPORTSVAINST P5090.1
(c) Asbestos Survey On Board The USS KITTIWAKE (ASR-31) of 9 Nov 1994*

Encl: (1) Asbestos Survey Form

Per reference (a) and in accordance with reference (b), a Post-stripping Asbestos Survey was conducted on board the ex-KITTIWAKE (ASR-13) on 12 August 1997.

Possible friable asbestos areas identified have been sealed. Caution and danger signs were replaced as necessary. Enclosure (1) provides specific results of this survey.

W. E. Bealle
W. E. BEALLE
PROJECT MANAGER

Enclosure (5)

PAGE 1 OF 6

ASBESTOS SURVEY FORM

DATE: 13 AUGUST 1997

HULL NO: ASR-13 NUMBER OF SIGNS: MANHOURS: 21 MANHOURS
 NAME: EX-KITTINAKE CAUTION- 52 LABOR COST: \$
 VESSEL STATUS: CATEGORY DANGER- 0 TRAVEL COST: \$
 CUSTODIAN: HISMF, PORTSMOUTH VA AIR SAMPLES: 7 MATERIAL COST:
 BERTH: PIER ST JULIENS CREEK TOTAL COST:

COMPARTMENT	FRAGILE	NOV FRAGILE	N/A	NUMBER DANGER SIGNS	NUMBER CAUTION SIGNS	SAMPLE READINGS (f/ea)	REMARKS: SAMPLE NUMBER
A-0201-3-M MAGAZINE			X				
A-0201-1-C PILOT HOUSE			X				
A-0201-2-C NAVIGATION		X			1		
A-0101-1-L SR			X				
A-0101-2-L SR			X				
A-0101-4-L SH		X			1		
A-0101-6-C TTY			X				
A-010-3-C RADIO			X				
B-010-1-E BLOWER ROOM		X			1	<.02	7
A-0101-7-Q AC ROOM			X				
A-0101-1-T PASSAGEWAY			X				
A-101-17-C ROOM			X				
A-101-16-C ROOM			X				
A-102-E FAN ROOM			X				

WC: WATER CLOSET
 WR: WASHROOM

SH: SHOWER
 SR: STATEROOM

STRM: STOREROOM
 RM: ROOM

PAGE 2 OF 6

ASBESTOS SURVEY FORM

HULL NO: ASR-13NAME: EX-KITTIWAKE

COMPARTMENT	FIBER	NON FIBER	N/A	NUMBER DANGER STOPS	NUMBER CAUTION STOPS	SAMPLE READING (E/cm)	REMARKS: SAMPLE NUMBER
A-101-2 ROOM			X				
A-101-1-E REEL ROOM		X			1		
A-101-3-T PASSAGEWAY			X				
A-101-3-L SH			X				
A-101-4-L WARDROOM		X			2		
A-101-6-L WR GALLEY		X			1		
A-101-5-L GALLEY MESS DECK		X			4	.08 <.02	3 RE- CHECK 8-22-97
B-203-E UPTAKE		X			1		
A-101-11-E LAUNDRY		X			1		
A-101-5-L SH			X				
A-101-14-E SHOP		X			1		
A-101-13-A LOCKER			X				
A-101-15-ET COMPRESSOR ROOM			X				
A-101-16-E CONTROLLER ROOM			X				
A-101-16-T TRUNK			X				

WC: WATER CLOSET

WR: WASHROOM

SH: SHOWER

SR: STATEROOM

STRM: STOREROOM

RM: ROOM

PAGE 3 OF 6

ASBESTOS SURVEY FORM

HULL NO: ASR-13NAME: EX-KITTINAKE

COMPARTMENT	FRIABLE	NON FRIABLE	N/A	NUMBER DANGER SIGNS	NUMBER CAUTION SIGNS	SAMPLE READINGS (f/ea)	REMARKS: SAMPLE NUMBER
A-101-17-T TRUNK		X			1		
A-202-L PASSAGEWAY			X				
A-305-C SONAR			X				
A-202-L SR 203		X			1		
A-403-A STRM			X				
A-202-L S/R 201		X			1		
A-202-L S/R 202			X				
A-202-L S/R 204			X				
A-203-2-L PASSAGEWAY		X			2		
A-202-T TRUNK		X			1	<.02	4
A-402-A STRM		X			1		
A-304-E REEFER		X			1		
A-304-4-A PASSAGEWAY		X			1		
A-304-2-A FREEZER			X				
A-304-3-A FREEZER			X				
A-304-1-A FREEZER			X				

WC: WATER CLOSET
WR: WASHROOMSH: SHOWER
SR: STATEROOMSTRM: STOREROOM
RM: ROOM

PAGE 4 OF 6

ASBESTOS SURVEY FORM

HULL NO: ASR-13

NAME: EX-KITTIWAKE

COMPARTMENT	FRIABLE	NON FRIABLE	V/A	HAZARD DANGER SIGNS	HAZARD CAUTION SIGNS	SAMPLE READINGS (f/cc)	STANDARD: SAMPLE NUMBER
A-203-1-A SICK BAY		X			1		
A-203-2-L OFFICE		X			1		
A-203-2-L CPO MESS		X			1		
A-306-T TRUNK		X			2		
A-405-A STRM			X				
A-306-A STRM		X			1		
A-306-A ORD STORES		X			1		
A-306-E GYRO			X				
A-306-A OFFICE		X			1		
A-306-A SHOP		X			1		
A-306-A BARBER SHOP		X			1		
A-306-A OFFICE			X				
A-410-M-T TRUNK			X				
A-408-M MAGAZINE			X				
A-404-M MAGAZINE			X				
A-409-M MAGAZINE			X				

WC: WATER CLOSET
WR: WASHROOMSH: SHOWER
SR: STATEROOMSTRM: STOREROOM
RM: ROOM

PAGE 5 OF 6

ASBESTOS SURVEY FORM

HULL NO: ASR-13

NAME: EX-KITTIWAKE

COMPARTMENT	FRIABLE	NON FRIABLE	N/A	FLAMMABLE DANGER SIGNS	HARMFUL CAUTION SIGNS	SAMPLE READINGS (E/100)	REMARKS: SAMPLE NUMBER
A-101-18 TRUNK		X			1	<.02	5
A-204-A-E COMPRESSOR ROOM		X			1		
A-2-E COMPRESSOR ROOM		X			1		
A-3-E CHT ROOM			X				
A-101-5-T TRUNK			X				
B-203-E ENGINE ROOM		X			2	.13 <.02	2 RE-CHECK 8-22
A-101-10-T TRUNK			X				
A-101-15-R TRUNK			X				
B-204-E ENGINE ROOM		X			2		
A-101-12-T TRUNK			X				
A-101-17-T TRUNK		X			1		
C-201-L BERTH		X			2		
C-401-A STRM		X			2		
C-202-L BERTH			X				
C-203-L LOUNGE		X			1		
C-203-A STRM		X			1		

WC: WATER CLOSET

SH: SHOWER

STRM: STOREROOM

NR: WASHROOM

SR: STATEROOM

RM: ROOM

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ASBESTOS SURVEY FORM

HULL NO: ASR-13NAME: EX-KITTINAKE

COMPARTMENT	FRIABLE	NON - FRIABLE	N/A	NUMBER DANGER SIGNS	NUMBER CAUTION SIGNS	SAMPLE READINGS (f/cc)	REMARKS: SAMPLE NUMBER
C-203-A ROOM		X			1		
C-203-A LOCKER			X				
C-203-A BERTH			X				
C-203-A OFFICE			X				
C-204-A STRM		X			1		
C-402-AE SHAFT ALLEY		X			1	<.02	6
C-205-E AFT STEERING			X				
C-401-A STRM			X				
C-302-A PAINT LOCKER			X				
A-303-A STRM			X				
A-201-E ANCHOR WINDLASS		X			1	<.02	1
A-301-E CHAIN LOCKER			X				

WC: WATER CLOSET
WR: WASHROOMSH: SHOWER
SR: STATEROOMSTRM: STOREROOM
RM: ROOM

APPENDIX 3e – Kittiwake General Arrangements available

This is in response to your 9/21/2006 e-mail request for copies of certain ship plans in the holdings of the National Archives. Plans for the USS Kittiwake (ASR-13) are located among the Records of the Bureau of Ships, Record Group 19. The citations follow:

RG 19: Hull: ASR-13-S0103-671735-sheet(3): "Booklet of General Plans, Outboard Profile, corrected through 12/9/1970". Paper. Scale: ¼ equals 1 foot. Size: 15 inches by 33 inches.

RG 19: Hull: ASR-13-S0103-671735-sheet(4): "Booklet of General Plans, Inboard Profile, corrected through 12/9/1970". Paper. Scale: 1/4 equals 1 foot. Size: 9 inches by 33 inches.

RG 19: Hull: ASR-13-S0103-671735-sheet(5): "Booklet of General Plans, 2nd and 3rd Levels, corrected through 12/9/1970". Paper. Scale: ¼ equals 1 foot. Size: 9 inches by 33 inches.

RG 19: Hull: ASR-13-S0103-671735-sheet(6): "Booklet of General Plans, 1st Level, corrected through 12/9/1970". Paper. Scale: 1/4 equals 1 foot. Size: 9 inches by 33 inches.

RG 19: Hull: ASR-13-S0103-671735-sheet(7): "Booklet of General Plans, Main Deck, corrected through 12/9/1970". Paper. Scale: 1/4 equals 1 foot. Size: 9 inches by 33 inches.

RG 19: Hull: ASR-13-S0103-671735-sheet(8): "Booklet of General Plans, 1st Platform, corrected through 12/9/1970". Paper. Scale: 1/4 equals 1 foot. Size: 9 inches by 33 inches.

RG 19: Hull: ASR-13-S0103-671735-sheet(9): "Booklet of General Plans, 2nd Platform and Inner Bottom, corrected through 12/9/1970". Paper. Scale: 1/4 equals 1 foot. Size: 9 inches by 33 inches.

RG 19: Hull: ASR-13-S0103-671735-sheet(10): "Booklet of General Plans, Hold, corrected through 12/9/1970". Paper. Scale: 1/4 equals 1 foot. Size: 9 inches by 33 inches.

RG 19: Hull: ASR-13-S0103-671735-sheet(11): "Booklet of General Plans, Amidships and Type Sections, corrected through 12/9/1970". Paper. Scale: 1/4 equals 1 foot. Size: 9 inches by 33 inches.

Mail order copies of records from our holdings are available only through the private vendors whose names follow. If you decide to purchase reproductions, please make arrangements directly with the vendor you choose.

Use the above citations for pricing or ordering. Any questions that arise during the ordering process should be addressed to the vendor you selected. The physical size of the record and the format of reproduction chosen determine the cost.

Please note that these plans are glued back to back and will not go through a Xerox machine. They will have to be scanned or photographed.

National Archives and Records Administration

Sincerely,
KEITH KERR
Archives Specialist
Cartographic Section
Special Media Archives Services Division (NWCS)
301-837-1985

APPENDIX 4 -Diver Reefing Requirements of the Kittiwake

USS Kittiwake - Diver Reefing Requirements Addendum to the “Kittiwake Reef Preparation Plan” dated May 19, 2005

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The scope of work for the diver readiness and preparations for artificial reefing are contained herein. This scope of work is in addition to the remediation/cleaning work related to environmental issues. This plan has been prepared based on a detailed survey of the USS Kittiwake during May 9 – 12, 2005, and includes a scope of work in addition to the Remediation plan. The Remediation Plan is titled “Kittiwake Reef Preparation Plan” dated May 19, 2005 and as subsequently amended.

Vessel: Kittiwake, 251’ submarine rescue vessel ASR-13

- Chanticleer Class Submarine Rescue Vessel
- Displacement: 2,045 tons (full load)
- Length: 251'4"
- Beam: 42' Draft: 16'
- Speed: 14.5 knots (max); 10 knots (econ)
- Armament: 2 3"/50 DP, 8 20mm, 4 DC tracks
- Diesel-electric engines, single screw, 3,000 h.p.
- Built at Moore, Savannah and commissioned 1944

All scrap metals and materials, equipment and the like (non HAZMAT) that is to be removed (that is not already specified herein) shall be identified by the Contractor to the CITA in advance and agreed upon. Removal of the items shall be at the contractors' expense. The scrap value of the any salvage items shall be shared on the basis of 50/50 with the CITA. Contractor will provide a bill of sale for all material that is disposed of for verification purposes by CITA. Funds from scrap value shall be deducted from the total owed to DMG.

General ship-wide reefing plan:

All lagging is to be removed

All ceilings and walls are to have obtrusive obstacles, hooks, brackets and the like above 3 feet from the deck/floor cut flush to prevent diver entanglements

All wood that is not solid and solidly in place is to be removed

All portals, windows and hatches are to be removed

All weather doors (external) are to be removed

All interior hatches and doors are to be removed

All foam and Styrofoam to be removed

All thin metal and wood paneling to be removed

All carpeting to be removed

All light bulbs to be removed

All florescent lights and fixtures to be removed

All stairwells except as specifically noted to be removed

All cuts & openings both internal and external are to have smooth rounded edges

All sheet metal to be removed

All hinges for doors must be cut flush to avoid possible diver entanglement

All filing cabinets to be removed

All vents stay, but all ductwork to be removed

All steel locker boxes stay unless in extremely poor condition and rusting badly

All turnbuckles stay

All rooms with any weather access must have holes cut in all corners for rain/sea drainage during towing and venting

All hatches removed must be covered for towage and watertight integrity insured

All stairwells below deck to be removed; all stairwells above deck to remain as long as they are in good condition and intact

All space vents must be clear – no balls inside – for sinking purposes

All tank vents remove or cut off all caps

All escape vents – open or free up

On all exterior hatches and dive cutout that will be removed in Cayman, weld on pad eyes and mark all external cutouts

Remove all tank sounding plugs

Diver access cutouts to be approximately every 50 feet or as reasonable, with the goal to allow 2 entry/exit points into any area and natural light to penetrate the area

All paint to be scraped/blasted so that no loose paint chips are onboard the vessel. Paint PCB sampling is to be done in advance on the work remediation work effort to ascertain that the paint does not contain any PCB's. Sampling results are to be provided to CITA.

Souvenir items that are to be saved for the CITA:

Telephone - Bridge
Depth sounder/Recorder - Bridge
All portals of copper or brass in decent condition - anywhere
Diving Locker Door – Diving Locker
Diving Locker Door Sign/plaque – Diving Locker
Rudder Key (Large) – Diving Locker
Shackles/Pulleys – Diving Locker
2 hatches/doors
Any non-florescent lights that must be removed
Charter / Plotter – Navigation Room
Electric Compass/Mileage – Navigation Room
Compass / Gyro
Starboard – rudder control box (outside)
Navigation lights (stern)
Brass handles and power cutout switches - Radio transmitter room
Helle Engineering Inc. chamber control box – Recompression chamber room
PSI Pressure Gauges (several) – Recompression chamber room
Several Gates Valves – Fire Suppression – forward of chamber room
Con Box – Laundry Room
Brass fuse/junction boxes – Sonar room
Telephone – Anchor/Chain storage (bow)
Telephone – Sick Bay
Telephone – Electronic Workshop
Bell on wall – Hospital chief room below decks
Gyro – Sperry Gyro Company MK14 – Gyro room, about waterline level
Brass telephone box and Call bell box – Gyro room
Loudspeaker – Electronic Workshop
2 Fuel Filters (yellow/black) – compressor room & propulsion room
Brass bells on wall – Engine room
Governor box – Engine Room
Call Bell – Propulsion Room
Klaxson – Propulsion Room (lower level)
2 Pressure Gauges - Lower deck tank storage bank racks
American Instrument Co. Oxygen Booster/Pump - Lower deck tank storage bank racks
Corblin (Paris) Membrane Compressor AOC250 – 1965 Serial #0383 - Lower deck tank storage bank rack
2 large spotlights – currently in Diving Locker area wrapped up
2 Signs “Sub Squad 6” – round – on top of smoke stack

Bridge:

All windows removed
Steel wheel installed. DMG to provide and weld onto helm
Flooring to stay in bridge area
Chart table to be removed

Bridge/Binocular Locker:

Overhead cleanup - Ceiling to be cut flush, free of any possible diver entanglements
Filing cabinets removed
Instrumentation on walls to stay, gutted of all wiring
All lights stay

Navigation Room behind Bridge:

Leave all switches, remove all wiring and gut
Air conditioning units removed
Radar to stay, gutted of hazmat
Second access for diver entry/exit to be cut out – vertical access

Outside Fore top deck:

Radar array to remain – gutted as required for hazmat
Remove empty framing box
Flag storage locker – cut middle rungs out for access
Remove center storage box
Tow drain holes in corners

Outside top decks:

Wooden hand railing removed
Lockers stay
Fiberglass antennas removed
3 flare boxes stay
Outside light fixtures stay
Anti-aircraft mounting turrets stay (options for mounting a gun are welcomed)
6kw Generator Set to be removed
Orange Buoys stay – decaying wood and rubber to be removed; 8 inch holes to be cut in buoys for sea water access during sinking (top and bottom)
Fire Hose guns stay, to be remounted (copper content)

Outside Stern Decks:

Navigation lights removed – to CITA
Crane/Gantry/Pulleys stay – all wires removed
Winches to stay
Electrics Motors – cleaned and stay
Life Boat holders – wood to be removed
Spars / Booms / Wisker Poles – reinstall appropriately and weld in place downwards
Stairwells – stay as long as intact/good condition (aluminum)
Open all vent coverings
Tank racks – stay (aluminum)
Transformer – remove (belongs to JRRF)
Cut underneath transformer for vertical access
2 Starboard anchors stay; 2 anchors to be added and placed on stern deck (anchors from MARAD)
Chain and windlass stay plus all cleats
Remove covers on stern hatches and chain lockers

Telephone booth to stay – door removed

Spools stay

Outside aluminum (light-weight) lockers removed

Dive Bell to be installed if one can be found

Deck hatches to be removed

Locker, hoist, red boxes to stay

Aluminum boxes to be removed

Brake release on anchors to be in working condition

Install chain stoppers for tow

MARAD to supply 6 additional shots of chain, to be placed on stern deck near anchors

Free up shackles on stern anchors

For a 6-point anchor, all anchors must have connecting shackles, chains, counter-links and strong pad eyes welded to mid-ship (port and starboard) and bow. Stern cleats are fine as they are.

Exhaust Stack:

Gutted – empty with clear access from top of stack to engine room

Main Deck (second):

Remove blowers

Cut out 2 front grills

Cleaning lockers to be removed

Garbage Comp to be removed

Compressor to be removed

Stairwells remain as long as in decent condition and intact

Radio Transmitter Room:

All hatches/doors removed

Stand removed

Hole cut in starboard side for exit/entry of divers

Cut hole into room behind

Brass power cutout switches and handles – CITA

Officer Quarters:

Suspended ceiling removed

Paneling & carpets removed

Hatches cutout

Cut hole in shower for light access

Captains Quarter:

Bunk to stay

Recompression Chamber Room:

2 Patterson Kelley Co. (E. Stroudsburg, PA) dated October 1945 recompression chambers to stay

Remove plugs on chamber windows

Clearance for divers- remove heliox tanks on sides

Weld internals and external airlock hatches in chambers in open position

Gauges to stay as possible on walls, no overhead diver entanglement obstructions

Tool Room (forward of Recompression Chamber):

Major tools attached to remain

Laundry Room:

Iron board to stay, soft goods removed

Heads, showers to stay (stainless steel) all doors off showers

Urinal & sinks to be removed

Dryer to stay; compressor to be removed; door off dryer

Officers Mess:

Tables and seats stay; edges to be rounded (steel)

All soft goods removed

All doors off kitchen cabinets, shelving, ovens, etc. (stainless steel)

Hatch to stack cut open and larger; rounded edges

Kettles to stay (stainless steel)

All over head venting to be removed (stainless steel)

Compressors in all fridges to be removed

Officers Lounge:

All carpet and furniture to be removed

Table to stay

Tin paneling to be removed

Head – all doors off showers, heads

Remove urinal

Officers Quarters:

Linoleum tile to remain intact unless loose or rotting (12x12 tile)

Open quarters into 1 large room – removing interior walls

Remove all closets

Leave 1 or 2 bunks (steel) to give the room a definition

Sonar Room:

Open access hole up (above and vertical) wider for diver access

Everything removed

Create second exit/entry access point into room

Bow – Cargo & Windlass access:

Main hatch removed

Stairwell / ladder removed

Overhead cages removed

Caging / pipes cut as appropriate for diver access

Anchor Chain to stay (approximately 8 shots)

Windlass engine removed

Hole cut in starboard hull; patch for towage

Hole cut to below deck 6x6 feet approximately

Below Main Deck – General Offices:

Stainless Steel shelves stay as attached securely on walls

Sick Bay:

Sink stay (stainless)

Walls removed to open up area

Filing cabinets, shelving to be removed unless secure and solid

Cold/Dry storage room:

Compressors removed

S/S Coils, fridges, freezers stay, doors removed

Center hole cut for access overhead for divers

Solid lead ballast encased in concrete stays

Shelving removed

Steel piping stay

Remove cage walls for open access

All hatches removed

Access to room located behind bulkhead

Lounge/Gallery & Hospital Chief rooms:

Port & starboard hull cutout for diver access

Lockers removed

Tables, chairs (steel) stay; soft goods, cushions removed from them

Several crew bunks to stay – other removed for more open access

Turn 2 smaller rooms into 1 – removing walls

12x12 tiles on floor to be removed (approx. 6' x 8' area)

Safety Office Room: 'B McKollar':

Remove caging between this room and barber shop to open up area for divers

Gyro Room:

Remove Gyro – CITA

Remove tile floor

Panel boxes to stay

Forward cutout on wall of Gyro room BH36

Electronic Workshop room:

Remove cage walls

Remove fresh water tank access cover – unless needed for ballast

Port and starboard hull access cut open – behind metal shelving

Ordinance Storage Room:

Storage shelves to stay – remove doors

Port and Starboard hull access cut open

Lower shelving to be removed
Remove small area of floor tiling
Remove compressor

Ammunitions Magazine Room:

Port & starboard hull cutout for diver access
Removed metal racks
Remove 3 doors
Open 3 small rooms up into 1 larger room

Air Bank Storage Room: ER46

Air bank storage bottles to stay – 6” - 8” holes cut in top to allow water to enter for sinking;
bottles to be filled with potable treated water
Cut holes in top of Astro Paks (3) as an air escape vent
Port & starboard hull cutout for diver access
All stainless deck plates removed for vertical access
Fire suppression valves to stay as practical; overhead entanglement items to be cut flush
Stairwell to stay
Cut off racks sticking out where banks have been removed for flush surface

3 Sewer tanks: (empty)

Hatched removed and hole enlarged for safer diver access

Compressor Room:

2 high volume RIX compressors to stay
2 low volume RIX compressors to stay
Motors from compressors removed
Remove cage doors all around room
Filing cabinets removed
Vertical hole cut between center stairwells
GE Electrics motors to be removed
Remove all stainless steel floor plating for vertical diver access

Engine Room:

Cut vertical access from engine room to water via the Smoke / Exhaust stack
Transformers and motor control boxes to be removed
Shelving to stay; doors to be removed
Laminate to be stripped off benches on side walls
Sink stays
Daily fuel tanks stay – cleaned; hatches removed
Boiler water treatment plant stays – hatches removed or holes cut in for sea water access
Panel boxes on walls stay – wires removed/gutted
Exhaust and feed to be removed
Panel boxes behind boilers to be removed for diver access
File cabinets to be removed
All tank hatch covers to be removed (unless ballast)

Feed water tank stay – hatches open or holes cut in for sea water access

Distillation water tank stay – hatches open or holes cut in for sea water access

Evaporator 1 & 2 stay

Electric motors to be removed

Wall valves stay as possible, except where diver entanglement issues would be created

Heat exchangers to be removed

Caterpillar diesel engines stay – parts can be used for scrap value – cleaned

Propulsion Room – level 1:

Remove beige vinyl floor covering

Detroit Diesel engine – stripped but stays

3268A Generator Set stays – cleaned and all snag hazards cut off

Power supplies stay, cleaned and gutted

Overhead cutout for diver access – vertical

Stainless Steel floor panels removed for access

Caging behind power supplies removed

Propulsion Room – Level 2:

Remove stainless steel plating from floors for diver access

Fuel valves and tanks stay

2 x 1271 DC Detroit Diesel generators stay

4 electric motors to be removed

Reduction Gears to stay - cleaned

Main shaft to stay – cleaned

Electric motors for fire pump to be removed

Valve manifold boxes stays

File cabinets removed

Electrical boxes to stay – stripped and gutted

Oil Cooler stays

Transmission pump to be removed

Electrical motors on Big Fire Pumps to be removed

Shafts and propellers to stay - cleaned

Machine Shop:

Overhead cutout for diver access – vertical

Cincinnati 12 1/2" 1963 Lathe stays

Work shop cabinets (removable) to be removed

Crew Quarters:

Lockers to be removed

Grey colored bunks to stay unless loose or rotting

Remove all hooks, catches, drawers at bottom of bunks – anything that might cause diver entanglement

Air Conditioning unit to be removed

Bunks near access to tanks to be removed

Fuel tank covers to be removed and opened wider for diver access – where possible and not needed for ballast

Fuel tanks for ballast to be filled with potable water (treated and sealed)

Beige crew bunks and lockers removed to open up area

Crew's Lounge:

Hatch to be removed

All paneling removed and soft goods removed

Metal tables and chairs to stay

Lower deck tank storage bank rack:

Racks for banks to stay

Remove all vertical pipes and snags

Valves to remain

Diving Locker:

Remove all furniture

Stainless steel shelving to stay

Main breaker boxes to stay – gutted of all wiring

Cut vertical access in floor and to weather access for diver entry/exit

Steel storage cages to have all doors removed – contents cleaned out

Stainless steel lockers to stay, unless quarters are too cramped for divers, then remove

Hydraulic Steering room:

Motors to stay – cleaned

Rudder to stay, to be locked in position

Stainless steel floor plates to be removed for diver access

Hatch covers to be removed, except as needed for ballast.

Grills on exhaust vents to be removed

Metal cages to be removed

Diver access cutouts to be completed

Door hatches (1/2 sized) to be removed and larger access holes to be cut for diver access

Filing cabinets to be removed

Scuba storage tank room:

Access holes to be cut between 2 sides of room at ceiling level

Scuba tank racks to stay

Fuel tanks to be filled with potable water, sealed and to stay

All caging to be removed

Stairwell to stay

Bilges:

Floor paneling/plating to be removed

Bulkhead – Bow:

Hole in bow for diver access

Hull:

Hull cleaning to (no sooner than 3 weeks) prior to departing for Cayman waters

Measurements:

BOW:

Draft below waterline (light) 10 feet

Waterline to lowest deck (top) 15 feet (25 feet to bottom of keel)

Top deck to top of Bridge 23 feet (48 feet to bottom of keel)

Beam 42 feet

STERN:

Draft below waterline (light) 10 feet

Waterline to lowest deck (top) 15 feet (25 feet to bottom of keel)

TOP DECK:

Point of bow to Wheelhouse (highest point) 55 feet

Point of stern to highest point on Booms 80 feet

MAXIMUM HEIGHT to be allowed: 48 feet from top to bottom of keel. Cut tops off masts as required in order to make the maximum height 48 feet.